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# Bibliography of Soviet Laser Developments

September - October 1987



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BIBLIOGRAPHY OF SOVIET LASER DEVELOPMENTS

No. 91

SEPTEMBER - OCTOBER 1987

Date of Report

August 29, 1988

Vice Director for Foreign Intelligence  
Defense Intelligence Agency

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1. REPORT NUMBER  DST-2700Z-005-88	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle)  BIBLIOGRAPHY OF SOVIET LASER DEVELOPMENTS, No. 91 SEPTEMBER - OCTOBER 1987		5. TYPE OF REPORT & PERIOD COVERED
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Defense Intelligence Agency Directorate for Scientific and Technical Intelligence		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE August 29, 1988
		13. NUMBER OF PAGES 119
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report)  UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited		
17. Distribution Statement (of the abstract entered in Block 20, if different from report)		
18. Supplementary Notes		
19. KEY WORDS  Solid State Lasers, Liquid Lasers, Gas Lasers, Chemical Lasers, Laser Components, Nonlinear Optics, Spectroscopy of Laser Materials, Ultrashort Pulse Generation, Laser Crystal Growing, Free Electron Lasers, Laser Theory, Laser Biological Effects, Laser Communications, Laser Beam Propagation, Adaptive Optics, Laser Computer Technology, Holography, Laser Chemical Effects, Laser Parameters, Laser Measurement Applications, Laser-Excited Optical Effects, Laser Spectroscopy, Laser Beam-Target Interaction, Laser Plasma		
20. ABSTRACT  This is the Soviet Laser Bibliography for September-October 1987, and is No. 91 in a continuing series on Soviet laser developments. The coverage includes basic research on solid state, liquid, gas, and chemical lasers; components; nonlinear optics; spectroscopy of laser materials; ultrashort pulse generation; crystal growing; theoretical aspects of advanced lasers; and general laser theory. Laser applications are listed under biological effects; communications systems; beam propagation; adaptive optics; computer technology; holography; laser- induced chemical reactions; measurement of laser parameters; laser measurement applications; laser-excited optical effects; laser spectroscopy; beam-target interaction; and plasma generation and diagnostics. (7/1/88)		

## INTRODUCTION

This bibliography has been compiled under an interagency agreement as a continuing effort to document current Soviet-bloc developments in the quantum electronics field. The period covered is September-October 1987, and includes all significant laser-related articles received by us in that interval. The bulk of the entries come from the approximately 30 periodicals which are known to publish the most significant findings in Soviet laser technology. Citations from the Soviet Reference Journals (journals of abstracts) are also included. Laser items from the popular or semipopular press are generally omitted. All sources cited with no parenthetical notation are available at the Library of Congress. A parenthetical entry indicates the secondary source in which the citation was found as a bibliographic entry or abstract, but for which the original source is not currently available at the Library.

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SOVIET LASER BIBLIOGRAPHY, SEPTEMBER - OCTOBER 1987

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## I. BASIC RESEARCH

### A. SOLID STATE LASERS

#### 1. CRYSTAL

##### a. Miscellaneous

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- c. LiF
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- b. Nd<sup>3+</sup>
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- c. Er<sup>3+</sup>
- d. Ho<sup>3+</sup>
- e. Tm<sup>3+</sup>

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d. GaAs

e. CdS

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f. ZnSe

g. Pb(1-x)Sn(x)Te

h. InGaAsP

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##### b. Nd

##### c. Er

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- c. Polymethine
- d. Coumarin
- e. Phthalimide
- f. Cyanine
- g. Xanthene
- h. POPOP

## 2. Inorganic Liquids

### C. GAS LASERS

#### 1. Theory

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c. He-Xe

d. He-Kr

e. Ar-Xe

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f. Iodine

g. Hydrogen

h. Ammonia

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J. BEAM-TARGET INTERACTION

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#### IV. SOURCE ABBREVIATIONS

(Note: CTC = cover-to-cover translation available)

AENGA	Atomnaya energiya (CTC)
AKZHA	Akusticheskiy zhurnal (CTC)
APHUE	Acta physica hungarica (Budapest)
ARAKB	Archiwum akustyki (Warsaw)
ATPLB	Acta physica polonica. Series A
AVMEB	Avtometriya (CTC)
BITOA	Bild und Ton (East Berlin)
CICWIPla	International Congress on Waves and Instabilities in Plasma
CKICPThe	Kiev International Conference on Plasma Theory
CMKDBMed	Mezhdunarodnaya konferentsiya: Dostizheniya biomekhaniki v meditsine
CRKRTNRe	Respublikanskaya konferentsiya: Razvitiye tekhnicheskikh nauk v respublike, puti i sposoby ispol'zovaniya ikh rezul'tatov
CRTED	Crystal Research and Technology (East Berlin) (formerly Krystal und Technik)
CSSSPIGa	Summer School and Symposium: Physics of Ionized Gases
CSYASSAt	Soveshchaniye po yadernoy spektroskopii i strukture atomnogo yadra
CVKOVFLI	Vsesoyuznaya konferentsiya: Obrashcheniye volnogo fronta lazernogo izlucheniya v nelineynykh sredakh
CVSGUREP	Vsesoyuznyy seminar: Generatory i usiliteli na relyativistskikh elektronnykh potokakh
CVSNMLSM	Vsesoyuznyy simpozium: Novyye metody lazernoy spektroskopii molekul v nizkotemperurnykh sredakh

CVSOOAMo	Vsesoyuznyy seminar po opticheskoy orientatsii atomov i molekul
CZYPA	Czechoslovak Journal of Physics
DANKA	Akademiya nauk SSSR. Doklady (CTC)
DANTA	Akademiya nauk Tadzhikskoy SSR. Doklady
DEFKA	Defektoskopiya (CTC)
DUKAB	Akademiya nauk Ukrayns'koy RSR. Dopovidi. Seriya A. Fiziko-matematychni ta tekhnichni nauki
EKNTB	Elektronika (Warsaw)
ELPBA	Elektropromishlennost i priborostroene
EOBMA	Elektronnaya obrabotka materialov (CTC)
ETFMB	Akademiya nauk Estonskoy SSR. Izvestiya. Fizika, matematika
EXPPA	Eksperimentelle Technik der Physik
FGRTA	Feingeraetetechnik
FGVZA	Fizika goreniya i vzryva (CTC)
FIPLD	Fizika plazmy (Moskva, AN SSSR) (CTC)
FIZSA	Fizika v shkole
FKMMA	Fiziko-khimicheskaya mekhanika materialov (CTC)
FKOMA	Fizika i khimiya obrabotki materialov
FKSTD	Fizika i khimiya stekla (CTC)
FTPPA	Fizika i tekhnika poluprovodnikov (CTC)
FTVTA	Fizika tverdogo tela (CTC)
FZELA	Fizicheskaya elektronika (sbornik, L'vov)
GEAEA	Geomagnetizm i aeronomiya (CTC)

IAAFA	Akademiya nauk Armyanskoy SSR. Izvestiya. Fizika
IAFMA	Akademiya nauk Azerbaydzhanskoy SSR. Izvestiya. Seriya fiziko-tehnicheskikh i matematicheskikh nauk
IAKFB	Akademiya nauk Kazakhskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk
IANFA	Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya (CTC)
IASKA	Akademiya nauk SSSR. Izvestiya. Seriya khimicheskaya (CTC)
IATOA	Akademiya nauk Tadzhikskoy SSR. Izvestiya. Otdeleniye fiziko-matematicheskikh i geologo-khimicheskikh nauk
IFAOA	Akademiya nauk SSSR. Izvestiya. Fizika atmosfery i okeana (CTC)
INFZA	Inzhenerno-fizicheskiy zhurnal (CTC)
INKSA	Akademiya nauk Kirgizskoy SSR. Izvestiya
ITUFA	Akademiya nauk Turkmenskoy SSR. Izvestiya. Seriya fiziko-tehnicheskikh, khimicheskikh i geologicheskikh nauk
IUZFA	Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk
IUZTA	Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya tekhnicheskikh nauk
IVNMA	Akademiya nauk SSSR. Izvestiya. Neorganicheskiye materialy (CTC)
IVUBA	Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye (CTC)
IVUFA	Izvestiya vysshikh uchebnykh zavedeniy. Fizika (CTC)
IVUZB	Izvestiya vysshikh uchebnykh zavedeniy. Radioelektronika
IVYRA	Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika (CTC)

IZFMB	Akademiya nauk Moldavskoy SSR. Izvestiya. Seriya fiziko-tehnicheskikh i matematicheskikh nauk
IZKOD	Issledovaniye Zemli iz kosmosa (Moskva)
IZTEA	Izmeritel'naya tekhnika (CTC)
JMKOA	Jemna mechanika a optika
KHFID	Khimicheskaya fizika (CTC)
KHVKA	Khimiya vysokikh energiy (CTC)
KOZHA	Kolloidnyy zhurnal (CTC)
KRSFA	Kratkiye soobshcheniya po fizike (CTC)
KVEKA	Kvantovaya elektronika (journal, Moskva) (CTC)
MEAUA	Meres es automatika
MTOMA	Metallovedeniye i termicheskaya obrabotka metallov (CTC)
OPAPB	Optica applicata (Poland)
OPMPA	Optiko-mekhanicheskaya promyshlennost' (CTC)
OPSPA	Optika i spektroskopiya (CTC)
OPTED	Optoelektronika i poluprovodnikovaya tekhnika (Kiyev)
OTIZD	Otkrytiya, izobreteniya
PFKMD	Poverkhnost'. Fizika, khimiya, mekhanika (Moskva)
PRTEA	Pribory i tekhnika eksperimenta (CTC)
PSSAB	Physica status solidi (A). Applied Research (GDR)
PSSBB	Physica status solidi (B). Basic Research (GDR)
PSTFA	Postepy fizyki
PZTFD	Zhurnal tekhnicheskoy fiziki. Pis'ma (CTC)

RAELA	Radiotekhnika i elektronika (journal, Moskva) (CTC)
RATEA	Radiotekhnika (journal, Moskva) (CTC)
RTKHA	Radiotekhnika (sbornik, Khar'kov)
RZFZA	Referativnyy zhurnal. Fizika
RZGFA	Referativnyy zhurnal. Geofizika
RZMKA	Referativnyy zhurnal. Mekhanika
RZRAB	Referativnyy zhurnal. Radiotekhnika
RZVTA	Referativnyy zhurnal. Vodnyy transport
SAKNA	Akademiya nauk Gruzinskoy SSR. Soobshcheniya
TKTEA	Tekhnika kino i televideniya
TVYTA	Teplofizika vysokikh temperatur (CTC)
UFIZA	Ukrainskiy fizicheskiy zhurnal (Russian language version) (CTC)
UFNAA	Uspekhi fizicheskikh nauk (CTC)
VBMFA	Belorusskiy universitet. Vestnik. Seriya 1. Matematika, fizika, mekhanika
VEOFA	Vestnik oftal'mologii
VLUFB	Leningradskiy universitet. Vestnik. Fizika i khimiya
VMUFA	Moskovskiy universitet. Vestnik. fizika, astronomiya (CTC)
VNUKA	Akademiya nauk Ukrayns'koy RSR. Visnyk
VYSAA	Vysokomolekulyarnyye soyedineniya. Seriya A (CTC)
WDTEA	Wiadomosci telekomunikacyjne
WZFRE	Wissenschaftliche Zeitschrift der Friedrich-Schiller Universitaet. Naturwissenschaftliche Reihe (East Berlin) (formerly WZFMA)

ZETFA	Zhurnal eksperimental'noy i teoreticheskoy fiziki (CTC)
ZFKHA	Zhurnal fizicheskoy khimii (CTC)
ZFPRA	Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma (CTC)
ZNPFA	Zhurnal nauchnoy i prikladnoy fotografii i kinematografii (CTC)
ZPMFA	Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki (CTC)
ZPSBA	Zhurnal prikladnoy spektroskopii (CTC)
ZRBEA	Zarubezhnaya radioelektronika
ZTEFA	Zhurnal tekhnicheskoy fiziki (CTC)
ZVDLA	Zavodskaya laboratoriya (CTC)

## V. AUTHOR AFFILIATIONS

Astrosovet

Astronomicheskiy sovet AN SSSR  
Astronomy Council, Academy of Sciences USSR, Moscow

AzGU

Azerbaydzhanskiy gosudarstvennyy universitet  
Azerbaijan State University

BGU

Belorusskiy gos universitet  
Belorussian State University

ChPI

Chelyabinskii politekhnicheskiy institut  
Chelyabinsk Politechnical Institute

EIS

Elektrotekhnicheskiy institut svyazi  
Electrotechnical Institute of Communications, Leningrad

FGPI

Ferganskiy gosudarstvennyy pedagogicheskiy institut  
im. Ulugbeka

Fergana State Pedagogical Institute im. Ulugbeka

FIAN

Fizicheskiy institut im Lebedeva AN SSSR  
Physics Institute imeni Lebedev, Academy of Sciences  
USSR, Moscow

FIANKuy

Kuibyshevskiy filial Fizicheskogo instituta AN SSSR  
Kuibyshev Branch of the Physics Institute, Academy of  
Sciences USSR

FMIANUkr

Fiziko-mekhanicheskiy institut AN Ukr SSR  
Physical Mechanical Institute, Academy of Sciences  
Ukrainian SSR, L'vov

FTI

Fiziko-tekhnicheskiy institut im Ioffe AN SSSR  
Physicotechnical Institute im Ioffe, Academy of  
Sciences USSR, Leningrad

FTIANTadzh

Fiziko-tekhnicheskiy institut AN TadzhSSR  
Physicotechnical Institute, Academy of Sciences  
Tadzhik SSR, Dushanbe

GGU

Gor'kovskiy gos universitet  
Gor'kiy State University

GIPKh

Gosudarstvennyy institut prikladnoy khimii.  
State Institute of Applied Chemistry.

GOI

Gosudarstvennyy opticheskiy institut im Vavilova  
State Optical Institute imeni Vavilov, Leningrad

GPI  
Gor'kovskiy politekhnicheskiy institut.  
Gor'kiy Polytechnical Institute.

GrodGU  
Grodnenskiy gos universitet  
Grodno State University

GrPI  
Gruzinskiy politekhnicheskiy institut  
Georgian Polytechnic Institute, Tbilisi

IAE  
Institut atomnoy energii im Kurchatova  
Institute of Atomic Energy imeni Kurchatov, Moscow

IAESOAN  
Institut avtomatiki i elektrometrii SOAN  
Institute of Automation and Electronic Measurements,  
Siberian Branch Academy of Sciences USSR

IAP  
Institut analiticheskogo priborostroyeniya AN SSSR  
Institute of Analytical Instrument Manufacture,  
Academy of Sciences USSR

IBANUK  
Institut biokhimii AN UkrSSR  
Institute of biochemistry, Academy of Sciences  
Ukrainian SSR, Kiev

IEANBel  
Institut elektroniki AN BSSR  
Institute of Electronics, Academy of Sciences  
Belorussian SSR, Minsk

IELAN  
Institut elektrokhimii AN SSSR  
Institute of Electrochemistry, Academy of Sciences  
USSR

IEM  
Institut eksperimental'noy meteorologii  
Institute of Experimental meteorology, Obninsk

IMEZh  
Institut evolyutsionnoy morfologii i ekologii  
zhivotnykh im A.N. Severtsova AN SSSR  
Institute of Evolutionary Morphology and Animal  
Ecology imeni Severtsov, Academy of Sciences  
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IFA  
Institut fiziki atmosfery AN SSSR  
Institute of Atmospheric Physics, Academy of  
Sciences, USSR

IFANB  
Institut fiziki AN BSSR  
Institute of Physics, Academy of Sciences  
Belorussian SSR, Minsk

IFANG  
Institut fiziki AN GruzSSR  
Institut of Physics, Academy of Sciences Georgian SSR,  
Tbilisi

**IFANUK**  
Institut fiziki AN UkrSSR  
Institute of Physics, Academy of Sciences Ukrainian SSR,  
Kiev

**IFI**  
Institut fizicheskikh issledovaniy AN ArmSSR  
Institute of Physics Research, Academy of Sciences  
Armenian SSR

**IFP**  
Institut fizicheskikh problem AN SSSR  
Institute of Problems of Physics, Academy of  
Sciences USSR

**IFPSOAN**  
Institut fiziki poluprovodnikov SOAN  
Institute of Semiconductor Physics, Siberian Branch  
Academy of Sciences USSR, Novosibirsk

**IFSOAN**  
Institut fiziki SOAN  
Institute of Physics, Siberian Branch Academy of  
Sciences USSR, Krasnoyarsk

**IFTT**  
Institut fiziki tverdogo tela AN SSSR  
Institute of Solid State Physics, Academy of  
Sciences USSR, Chernogolovka

**IFVE**  
Institut fiziki vysokikh energiy  
Institute of High Energy Physics, Serpukhov

**IFZ**  
Institut fiziki Zemli im Shmidta AN SSSR  
Institute of Physics of the Earth imeni Shmidt,  
Academy of Sciences USSR

**IGU**  
Irkutskiy gos universitet  
Irkutsk State University

**IGYeM**  
Institut geologii rudnykh mestorozhdeniy, petrografii,  
mineralogii i geokhimii AN SSSR  
Institut of Ore Deposits, Geology, Petrography,  
Minerology and Geochemistry, Academy of Sciences  
USSR, Moscow

**IKAN**  
Institut kristallografii AN SSSR  
Institute of Crystallography, Academy of Sciences  
USSR, Moscow

**IKhANTad**  
Institut khimii AN Tadzhikskoy SSR  
Institute of Chemistry, Academy of Sciences  
Tadzhik SSR, Dushanbe

**IKhF**  
Institut khimicheskoy fiziki AN SSSR  
Institute of Physics of Chemistry, Academy of Sciences  
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**IKhKG**  
Institut khimicheskoy kinetiki i gorenija SOAN  
Institute of Chemical Kinetics and Combustion,  
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**IKhS**  
Institut khimii silikatov im Grebanshchikova AN SSSR  
Institute of Silicate Chemistry imeni Grebanshchikov,  
Academy of Sciences USSR, Leningrad

**IKI**  
Institut kosmicheskikh issledovaniy AN SSSR  
Institute of Space Research, Academy of Sciences USSR

**IMET**  
Institut metallurgii im Baykova  
Institute of Metallurgy imeni Baykov, Moscow

**INKh**  
Institut neorganicheskoy khimii SOAN  
Institute of Inorganic Chemistry, Siberian Branch  
Academy of Sciences USSR

**IOA**  
Institut optiki atmosfery SOAN  
Institute of Atmospheric Optics, Siberian Branch  
Academy of Sciences USSR

**IOANLO**  
Leningradskoye otdeleniye Instituta okeanologii  
AN SSSR  
Leningrad Branch of the Institute of Oceanography,  
Academy of Sciences USSR

**IOF**  
Institut obshchey fiziki AN SSSR  
Institute of General Physics, Academy of Sciences  
USSR, Moscow

**IONKh**  
Institut obshchey i neorganicheskoy khimii  
im Kurnakova AN SSSR  
Institute of General and Inorganic Chemistry imeni  
Kurnakov, Academy of Sciences USSR, Moscow

**IONKhANB**  
Institut obshchey i neorganicheskoy khimii AN BSSR  
Institute of General and Inorganic Chemistry, Academy  
of Sciences Belorussian SSR

**IPANUK**  
Institut poluprovodnikov AN UkrSSR  
Institute of Semiconductors, Academy of Sciences  
Ukrainian SSR, Kiev

**IPF**  
Institut prikladnoy fiziki AN SSSR  
Institute of Applied Physics, Academy of Sciences  
USSR, Gor'kiy

**IPFANM**  
Institut prikladnoy fiziki AN MSSR  
Institute of Applied Physics, Academy of Sciences  
Moldavian SSR, Kishinev

**IPMe**  
Institut problem mekhaniki AN SSSR  
Institute of Problems of Mechanics, Academy of Sciences  
USSR, Moscow

**IPPMM**  
Institut prikladnykh problem mekhaniki i matematiki  
AN UkrSSR  
Institute of Applied Problems in Mechanics and  
Mathematics, Academy of Sciences Ukrainian SSR, L'vov

**IRE**  
Institut radiotekhniki i elektroniki AN SSSR  
Institute of Radioengineering and Electronics, Academy  
of Sciences USSR, Moscow

**IRFEANArm**  
Institut radiofiziki i elektroniki AN ArmSSR  
Institute of Radiophysics and Electronics, Academy of  
Sciences Armenian SSR, Ashtarak

**ISAN**  
Institut spektroskopii AN SSSR  
Institute of Spectroscopy, Academy of Sciences USSR

**ISMSANGruz**  
Institut stroitel'noy mekhaniki i seysmostoykosti  
AN GruzSSR  
Institute of Structural Mechanics and Seismic Stability,  
Academy of Sciences Georgian SSR

**ITeFUK**  
Institut teoreticheskoy fiziki AN UkrSSR  
Institute of Theoretical Physics, Academy of Sciences  
Ukrainian SSR, Kiev

**ITPM**  
Institut teoreticheskoy i prikladnoy mekhaniki SOAN  
Institute of Theoretical and Applied Mechanics, Siberian  
Branch Academy of Sciences USSR, Novosibirsk

**IVTAN**  
Institut vysokikh temperatur AN SSSR  
Institute of High Temperatures, Academy of Sciences USSR

**IYaFANUz**  
Institut yadernoy fiziki AN UzSSR  
Institute of Nuclear Physics, Academy of Sciences  
Uzbek SSR, Ulugbek

**KaMI**  
Kaunasskiy meditsinskiy institut  
Kaunas Medical Institute

**KGU**  
Kiyevskiy gos universitet  
Kiev State University

**KhADI**  
Khar'kovskiy avtomobil'no-dorozhnyy institut  
Khar'kov Highway Institute

**KhGU**  
Khar'kovskiy gos universitet  
Khar'kov State University

**KhPI**  
Khar'kovskiy politekhnicheskiy institut  
Khar'kov Polytechnic Institute

**KPIA**  
Kiyevskiy politekhnicheskiy institut  
Kiev Polytechnic Institute

**KrGU**  
Krasnoyarskiy gos universitet  
Krasnoyarsk State University

**KuAI**  
Kuybyshevskiy aviatsionnyy institut  
Kuybyshev Aviation Institute

**KuISI**  
Kuybyshevskiy inzhenerno-stroitel'nyy institut  
Kuybyshev Civil Engineering Institute

**LatGU**  
Latviyskiy gos universitet  
Latvian State University

**LETI**  
Leningradskiy elektrotekhnicheskiy institut  
Leningrad Electric Engineering Institute

**LGPI**  
Leningradskiy gos pedagogicheskiy institut  
Leningrad State Pedagogical Institute

**LGU**  
Leningradskiy gos universitet  
Leningrad State University

**LIIAAN**  
Leningradskiy institut informatiki i avtomatizatsii  
AN SSSR  
Leningrad Institute of Information Science and  
Automation, Academy of Sciences USSR

**LITMO**  
Leningradskiy institut tochnoy mekhaniki i optiki  
Leningrad Institute of Precision Mechanics and Optics

**LitNIINTI**  
Litovskiy NII nauchno-tehnicheskoy informatsii i  
tekhniko-ekonomiceskikh issledovaniy Gosplana LitSSR  
Lithuanian Scientific Research Institute of Scientific  
and Technical Information and of Technical Economic  
Studies for the State Plan of the Lithuanian SSR,  
Vilnius

**LIYaF**  
Leningradskiy institut yadernoy fiziki im B.P.  
Konstantinova, AN SSSR  
Leningrad Institute of Nuclear Physics imeni B.P.  
Konstantinov, Academy of Sciences USSR, Leningrad

**LPI**  
Leningradskiy politekhnicheskiy institut  
Leningrad Polytechnic Institute

**LTI**  
Leningradskiy tekhnologicheskiy institut  
Leningrad Technological Institute

LvGU  
L'vovskiy gos universitet  
L'vov State University

MAI  
Moskovskiy aviatsionnyy institut  
Moscow Aviation Institute

MFTI  
Moskovskiy fiziko-tekhнический institut  
Moscow Physicotechnical Institute

MGMIVt  
Vtoroy Moskovskiy gos meditsinskiy institut  
im Pirogova  
Second Moscow State Medical Institute imeni Pirogov

MGU  
Moskovskiy gos universitet  
Moscow State University

MIFI  
Moskovskiy inzhenerno-fizicheskiy institut  
Moscow Engineering Physics Institute

MIREA  
Moskovskiy institut radiotekhniki, elektroniki i  
avtomatiki  
Moscow Institute of Radio Engineering, Electronics  
and Automation

MISIS  
Moskovskiy institut stali i splavov  
Moscow Institute of Steel and Alloys

MITKhT  
Moskovskiy institut tonkoy khimicheskoy tekhnologii  
imeni Lomonosova  
Moscow Institute of Fine Chemical Technology  
imeni Lomonosov

MNII  
Moskovskiy NII glaznykh bolezney im Gel'mgol'tsa  
Moscow Scientific Research Institute of Eye Diseases  
imeni Gel'mgol'ts

MNIIMG  
Moskovskiy NII mikrokhirurgii glaza MZ RSFSR  
Moscow Scientific Research Institute of Microsurgery  
of the Eye, Ministry of Health, Russian SFSR

MVTU  
Moskovskoye vyssheye tekhnicheskoye uchilishche im  
Baumana  
Moscow Higher Technical College imeni Bauman

NATI  
Gosudarstvennyy soyuznyy traktornyy NII  
(formerly: NI avtotraktornyy institut)  
State All-Union Tractor Scientific Research  
Institute, Moscow

NGU  
Novosibirskiy gos universitet  
Novosibirsk State University

NIFKhi

NI fiziko-khimicheskiy institut im Karpova  
Scientific Research Institute of  
Physicochemistry imeni Karpov

NIIEA

NII elektrofizicheskoy apparatury im Yefremova  
Scientific Research Institute of Electrophysical  
Equipment imeni Yefremov, Leningrad

NIIFKS

NII fiziki kondensirovannykh sred Yerevanskogo  
gos universiteta  
Scientific Research Institute of the Physics of  
Condensed Media of Yerevan State University

NIIKhGGU

NII khimii pri Gor'kovskom GU  
Scientific Research Institute of Chemistry at Gor'kiy  
State University

NIIKvSt

NII kvartsevogo stekla  
Scientific Research Institute of Quartz Glass

NIIMF

NII mekhaniki i fiziki Saratovskogo GU  
Scientific Research Institute of Mechanics and  
Physics of Saratov State University

NIIPFP

NII prikladnykh fizicheskikh problem pri  
Belorusskom gos universitete  
Scientific Research Institute of Applied Physics  
Problems at Belorussian State University

NIRFI

NI radiofizicheskiy institut  
Radiophysics Scientific Research Institute, Gor'kiy

NITsTLAN

NI tsentr po tekhnologicheskim lazeram AN SSSR  
Scientific Research Center for Industrial Lasers,  
Academy of Sciences USSR

NPOKIANAZ

Nauchno-proizvodstvennoye ob"yedineniye kosmicheskikh  
issledovaniy AN AzSSR  
Scientific Production Association of Space Research,  
Academy of Sciences Azerbaijan SSR, Baku

NPOMetrologiya

Nauchno-proizvodstvennoye ob"yedineniye Metrologiya  
Metrologiya Scientific Production Association, Khar'kov

NSFEAS

Nauchnyy sovet po probleme "Fizika elektronnykh i  
atomnykh stolknoveniy AN SSSR  
Scientific Council on the Physics of Electron and  
Atomic Collisions, Academy of Sciences USSR

NSPGAN

Nauchnyy sovet AN SSSR po probleme "Golografiya"  
Scientific Council on Holography, Academy of Sciences USSR

**NSSAM**

Nauchnyy sovet po spektroskopii atomov i molekul AN SSSR  
Scientific Council on Spectroscopy of Atoms and Molecules,  
Academy of Sciences USSR

**OGU**

Odesskiy gos universitet  
Odessa State University

**OIYaI**

Ob"yedinennyi institut yadernykh issledovaniy  
Joint Institute of Nuclear Research, Dubna

**OshGPI**

Oshskiy gos pedagogicheskiy institut  
Osh State Pedagogical Institute

**OTANUz**

Otdel teplofiziki AN Uzbekskoy SSR  
Department of Thermophysics, Academy of Sciences  
Uzbek SSR

**PKBE**

Proyektno-konstruktornoye byuro elektrogidravliki  
AN UkrSSR  
Planning and Design Office of Electrohydraulics,  
Academy of Sciences Ukrainian SSR, Nikolayev

**SFTI**

Sibirskiy fiziko-tehnicheskiy institut im Kuznetsova  
Siberian Physicotechnical Institute imeni Kuznetsov,  
Tomsk

**SNIIM**

Sibirskiy gos NII metrologii  
Siberian State Scientific Research Institute of  
Metrology, Novosibirsk

**TarGU**

Tartuskiy gos universitet  
Tartu State University

**TashGPI**

Tashkentskiy gos pedagogicheskiy institut  
Tashkent State Pedagogical Institute

**TashGU**

Tashkentskiy gos universitet  
Tashkent State University

**TbGU**

Tbilisskiy gos universitet  
Tbilisi State University

**TGU**

Tomskiy gos universitet  
Tomsk State University

**TIASUR**

Tomskiy institut avtomatizatsii sistem upravleniya  
i radioelektroniki  
Tomsk Institute for Automation of Control Systems  
and Radioelectronics

**TRI**

Taganrogskiy radiotekhnicheskiy institut  
Taganrog Radio Engineering Institute

**TsKBTP**

Tsentral'noye konstruktorskoye byuro tochnogo  
priborostroyeniya, Novosibirsk  
Central Design Bureau for Precision Instrument  
Manufacture, Novosibirsk

**TsNIITEIpriboro**

TsNII informatsii i tekhniko-ekonomiceskikh  
issledovaniy priborostroyeniya, sredstv  
avtomatizatsii i sistem upravleniya  
Central Scientific Research Institute of  
Information and Technical Economic Studies on  
Instrument Manufacture, Means of Automation,  
and Control Systems, Moscow

**TurkPI**

Turkmenskiy politekhnicheskiy institut  
Turkmen Polytechnic Institute, Ashkhabad

**UAI**

Ufimskiy aviatsionnyy institut  
Ufa Aviation Institute

**UDN**

Universitet druzhby narodov im Lumumby  
University of Friendship Among Peoples  
imeni Lumumba, Moscow

**UrPI**

Ural'skiy politekhnicheskiy institut  
Ural Polytechnical Institute, Sverdlovsk

**UzNPOK**

Uzbekskoye nauchno-proizvodstvennoye ob"yedineniye  
"Kibernetika" AN UzSSR  
Kibernetika Uzbek Scientific Production Association,  
Academy of Sciences Uzbek SSR

**UZPI**

Ukrainskiy zaochnyy politekhnicheskiy institut  
Ukrainian Correspondence Polytechnic Institute,  
Khar'kov

**VGU**

Voronezhskiy gos universitet  
Voronezh State University

**VilGPI**

Vil'nyusskiy gos pedagogicheskiy institut  
Vilnius State Pedagogical Institute

**VINITI**

Vsesoyuznnyy institut nauchnoy i tekhnicheskoy  
informatsii  
All-Union Institute of Scientific and Technical  
Information, Moscow

**ViPI**

Vinnitskiy politekhnicheskiy institut  
Vinnitsa Polytechnic Institute

**VMOLA**

Voyenno-meditsinskaya akademiya im Kirova  
Military Medical Academy imeni Kirov, Leningrad

VNIFTRI

VNI fiziko-tehnicheskikh i radiotekhnicheskikh  
izmereniy

All-Union Scientific Research Institute of Physico-  
technical and Radiotechnical Measurements, Moscow

VNIIGBol

VNII glaznykh bolezney

All-Union Scientific Research Institute of  
Eye Diseases, Moscow

VNIImetmash

VNI i proyektno-konstruktorskiy institut  
metallurgicheskogo mashinostroyeniya

All-Union Scientific Research, Design and Planning  
Institute of Metallurgical Machine Building, Moscow

VNIIMS

VNII metrologicheskoy sluzhby

All-Union Scientific Research Institute of the  
Metrological Service, Moscow

VNIIIOFI

VNII optiko-fizicheskikh izmereniy

All-Union Scientific Research Institute of  
Optophysical Measurements, Moscow

VNIITS

VNI i proyektnyy institut tugoplavkikh metallov  
i tverdykh splavov

All-Union Scientific Research and Design  
Institute of Refractory Metals and Hard Alloys,  
Moscow

VNIPKTIGAGSI

VNI proyektno-konstruktorskiy i tekhnologicheskiy  
institut geofizicheskikh, akusticheskikh i  
geokhimicheskikh sistem informatsii

All-Union Scientific Research, Planning, Design and  
Technological Institute for Geophysical, Acoustic  
and Geochemical Information Systems

VNITSISPiV

VNI tsentr po izucheniyu svoystv poverkhnosti i vakuuma  
All-Union Scientific Research Center for Studying the  
Properties of Surfaces and Vacuums, Moscow

VoPI

Volgogradskiy politekhnicheskiy institut  
Volgograd Polytechnic Institute

YeFI

Yerevanskiy fizicheskiy institut  
Yerevan Physics Institute

YeGU

Yerevanskiy gos universitet  
Yerevan State University

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BUDYANU V A	81	CHILINGARYAN YU S	19,20	DOROGOTVTSEV V M	85
BUDZULYAK I M	81	CHIRIKOV S N	41	DOSTOV V L	39
BUGAYEV A A	56,82	CHISTYAKOV A A	53	DOVGALENKO G YE	49
BUISHVILI L L	62	CHIZHIKOV S I	24	DOVGAN' A P	46
BUKHARAYEVA A S	53	CHMUTIN A M	62	DRAIBER M	56
BUKHSHTAB M A	56	CHOKOYEV E S	76,78	DRACHEV V P	83
BUKREYEV V S	6	CHOLEWINSKI J	7	DRENCKHAN J	57
BULANIN M O	68	CHUBUKOV I YA	52,69	DROBNIK A	78
BULATOV V P	68	CHUDESNIKOV D O	20	DRONOVA G N	75
BULDakov M A	69	CHUDINOV A N	80	DROZD P I	76
BULYSHEV A YE	69,85	CHUGUNOV A YU	8	DRUZHININ A A	78
BUNKIN F V	79	CHURANOVA I N	71	DRUZHININ S I	5
BURAKOV V S	11	CHUKIN M S	42	DRYGA O V	10
BURCHULADZE T G	33	CHUPAKHIN M S	35	DUBENSKAYA M G	20
BURKHANOV G S	77	CHURAKOV V V	9	DUBENSKOV P I	75
BURMISTROV A S	69	CHURBANOV M F	35	DUBIK A	85
BUROV L I	20	CHUYKO V A	62	DUBINSKIY M A	2
BURSHTEYN A I	22			DUBNYAKOV V N	79
BURTSEV A P	68	DADESHIDZE V V	48	DUBNYAKOV V N	79,80
BUSHMELEV N I	49	DAGIS S P	71	DUBOVETS V G	7
BUTAYEV YU B	7	DAGMAN E YE	56	DUBOVIK V M	20
BUTENKO A V	20	DANILEVICH O I	81	DUBOVYI I A	18
BUTTA V I	46	DANILEYKO M V	8	DUBROVIN V F	49
BUTUSOV M M	56	DANILEYKO YU K	50	DUDIN A YU	8
BUTYLKIN V S	35	DANILOV A A	1,32	DUDKO G V	57
BUYANOV N B	52	DANILOV A YE	84	DUNIN S Z	27

DURASOV V M	49	GALKIN G N	82	GORELENOK A T	61
D'YAKONOV A M	27	GALKIN S L	56	GORELIK S L	47
DYAKOV T	79	GALKINA I P	66	GORELIK V S	24,70
D'YAKOV YU YE	24	GAL'PERN A D	49	GORNUSHKIN I B	68
DYKMAN M I	20	GALUSHKIN M G	24	GOROBCHENKO V S	71
DYRKHEYEV V V	39	GALYATSKAS A A	81	GORODETSKIY A YE	49
DYUBKO S F	10	GAMALIY YE G	84	GORSHKOV V G	50
DZHAMIYKOVA TS V	16	GAMAZEYSHCHIKOV A M	9	GORSKI P	64
DZHOVTAN G P	24,43	GANAPETYAN M A	54	GORYACHUK O L	87
DZHUMABEKOV ZH I	79	GANCHERENOK I I	20	GOVECHIYA V I	86
DZHURAYEV M D	34	GANDURIN A L	41	GRACHEV V I	77
DZHURINSKIY B F	70	GANZHERLI N M	57	GRAD V I	7
		GAPONOV S V	82,83	GRADOBOYEV YU G	47
EFENDIYEV T SH	5,67	GARBUZOV D Z	5	GRIBENYUKOV A I	24
EGLIT M E	83	GARYAGDYYEV G	28	GRIGOR'YANTS A G	80
EHLERT J	70	GASHKA R I	81	GRIGOR'YANTS A V	58
		GAS'KEVICH G I	46	GRIGOR'YANTS V V	34,35
FABIAN J	70	GATI L	25	GRIGOR'YEV I S	44,50
FABIAN YU	70	GATSU A F	33,34	GRIMM V A	36
FABRIKOV V A	16	GAVRIKOV V F	12	GRIN' YU I	10
FADEYEV A P	26	GAVRILENKO V G	40	GRINENKO V M	8
FADEYEV V YA	91	GAVRILIN S N	36	GRISHMANOVSKIY A N	18
FADEYEV YU A	70	GAVRILOV G A	54	GRISHUNIN P A	84
FAL' A M	8	GAWLIK W	14	GRODZINSKAYA M D	52
FARADZHEV B G	26	GAYSENOK V A	70	GROMOV A I	84
FAYZULLOV T F	70	GAYSIN R M	8	GROMOV G G	82
FAZLIYEV A Z	14	GAYVORONSKIY V YA	26	GRONKOWSKI J	30
FEDOROV A V	56	GELASHVILI G V	83	GROSMANN W	17
FEDOROVICH V YU	66	GEL'MUKHANOV F KH	64	GRUDININ A B	30,36
FEDOROVSKIY O D	57	GEORGIYEV N	42	GRUDKIN V N	37
FEDOSEYEV V N	52,69,73	GERSHENZON YU M	67	GRUZEVICH YU K	47,50
FEDOTOV N G	59	GESSEN S B	1	GRUZINSKIY V V	14
FEDOTOV S I	76,84,85,87	GEVORGIAN A A	54	GUBANOV V A	88
FEDYANINA YE L	60	GIGEVICH A S	5	GUBIN M A	7
FEDYAYEV D I	66	GILEV A K	14	GUBSKIY V I	58
FEFELOV N A	37	GILINSKIY I A	39	GUD V V	17
FENG QI-YUAN	28	GILYAROV O N	44	GUDYALIS V V	71
FERBER R S	64	GINIYATULLIN N I	36	GUDYMENTKO L F	72
FESENKO L D	6	GIRUTS YE L	6	GUDZIY V I	58
FETISOV S P	17	GIZATULLIN R M	12	GUETHER R	50
FILIMONOV S I	4	GLADCHENKO L F	70	GULE YE G	72
FILINA L I	77	GLADYSCHUK A A	3	GULEV V S	1
FILIPCHENKO A S	82	GLAZOV G N	41	GULIS I M	29,73
FILIPPov V A	42	GLEBOVSKIY A A	78	GULYAYEV YU V	34
FINKEL'BERG V M	40	GLIKIN L S	57	GUMBERIDZE G G	83
FINKEL'SHTEYN K I	84	GLINCHUK YA I	33	GUREVICH S B	55,57,88
FIRSOV V A	44,50	GLUKHikh V A	78	GURINOVICH V V	71
FIRSOV V S	46	GLYTENKO A L	77	GURSKIY A L	3
FIRSOVA L S	16	GNIDASH N I	81	GURVICH A S	42
FIRTSAK YU YU	61	GOL'DMAN V YA	52	GURVICH L V	53
FISHER P S	35	GOLDOBIN I S	4	GUR'YANOV A N	58
FOKHT SH	70	GOLIKOVA YE V	59	GUSAK N V	50
FOMENKO G P	23	GOLOVASHKIN A I	70,77	GUSAK P M	8
FOMINSKIY V YU	80	GOLTYVANSKAYA G F	27,28	GUSAKOV YE Z	83
FRADKIN E YE	13	GOLUBENTSEV A A	14	GUSEV V E	27
FRANGYAN A A	43	GOLUBEV G P	20	GUSEV V G	58
FRANK D	3	GOLUBEV O A	69	GUSHANSKAYA N YU	61
FRANTSSESSON A V	34	GOLUBEV V G	70	GUS'KOV A G	80
FREITAG W	17	GOLUBEV V V	38	GUS'KOV G A	46
FRENKEL' L A	35	GOLUBKOV A A	26	GUS'KOV L N	54
FROLENKO V A	57	GOLUBTSOV A A	80	GUS'KOV S YU	84
FROLOVA M N	38	GONCHAR V F	71	GUSOVSKIY D D	58
FURSOV A N	57	GONCHAROV I G	35	GUTIN M A	9
FYN TSI-YUAN'	28	GONSALES K	4	GUTSUL T D	50
		GONYAYEV V S	57		
GABARAYEV R S	17	GONZALEZ K	4	HAEFNER H	65
GAFIYCHUK V V	82	GORBAN' I S	29	HAGEMANN E	17
GAGARIN A P	78	GORBARENKO V A	55,57	HEIDER M	65
GAKAMSKIY D M	70	GORBATSEVICH S K	73	HOHMANN H	76
GALANOV A N	48	GORBATYUK S N	57		
GALANOV YE K	57	GORBUNOVA L G	74		
GAL'CHINSKIY A V	65	GORDIYENKO V M	21		

IGNATKOV V D	15	KALASHNIKOV M P	84	KHANOV V A	57
IGNAT'YEV A G	60	KALEDIN L A	53	KHARITONOV V V	84
IGNAT'YEV A V	56	KALENDIN V V	57	KHASANOV O KH	52
IGNAT'YEV S V	38	KALINKIN V YE	49	KHASANOV Z M	36
IGONIN G M	41	KALMYKOV YU K	84	KHAUSTOV A I	35
IGOSHIN V N	13	KALMYKOVA S S	31	KHAYDAROV D V	30, 36
IGUMNOV YE A	41	KALONTAROV L I	53	KHAYTUN F I	41
IKRAMI M B	30	KALYAGIN M A	82	KHIKMATOV N A	36
IL'CHENKO V S	13	KALYZHNYA G A	3	KHINRIKUS KH V	88
IL'ICHEV L V	64	KAMALOV V F	71	KHITROV A L	84
IL'INOVA T M	20	KAMARDIN I L	9, 11	KHMELEVSKIY A N	10
IL'INSKAYA N D	5	KAMENETS F F	24	KHOLBAYEV A	85
IL'INSKIY YU A	25	KAMINSKIY A A	2	KHOLIN I V	8
IL'YASOVA SH G	33	KAMSHILIN A A	47, 49	KHOLMURODOV KH T	22
ILYUKHIN A B	74	KAMUZ A M	15	KHOLODNOV YE V	80
INYUSHIN V M	33	KANDAUROV A S	2	KHOMENKO A V	46, 49
IOLTUKHOVSKIY A A	23	KANEV F YU	44	KHOPOV V V	51
IONIN A A	9	KANEVSKIY M F	78	KHRAMOV V YU	19
IONOV S I	68	KAPKANSHCHIKOV O V	66	KHRANENKO G G	1
IONUSHAUSKAS G	23	KAPTSOV L N	41	KHYRASHCHEV L YU	64
IOVU M S	35	KAPUTERKO M N	14	KHURSHUDIAN M A	20
IRMSCHER M	58	KARAMZIN YU N	42	KHVATOVA A V	33
ISAKOV A I	85, 87	KARASEV V A	8	KIKKARIN S M	27
ISHANIN G G	17	KARASIK A YA	58	KIREPA M V	88
ISHCHENKO A A	14	KARIMOV R M	71	KIRICHENKO N A	79
ISHMURATOV A N	85	KARNAUKHOV A A	87	KIRILLOV G A	85
ISKANDAROV Z B	64	KARNYUSHIN V N	14	KIRPICHENKOVA YE O	67, 68
ISMAYLOV I K	62	KARPENKO M I	58	KIRYUNIKOV K V	10
ISPIRYAN K A	31	KARPOV L G	71	KISELEV V P	79
ISPIRYAN M K	31	KARPOV S V	22	KISELEV YU B	82
ITKIN A M	41	KARPOV S YU	39	KISELEVA K V	3
ITSKOVA P G	53	KARPOVICH I V	64	KISELEVA YE S	21
IVAKHNİK V V	49	KARPUSHIN S N	24	KISKIN A B	53
IVANCHENKOV V P	47, 48	KARPUSHKO F V	2	KISLOV V I	11
IVANENKO O I	6	KASHA M	5	KITAYEV A YE	34
IVANENKO O M	70	KASHCHEY V A	38	KITAYEV V F	66
IVANENKO V V	58	KASHCHUK O L	80	KIYAK S G	82
IVANKIV YA L	22	KASHIN V V	36	KLADOV G K	74
IVANOV A V	36, 44	KASHKAROV S S	42	KLEMENTI T I	14, 34
IVANOV B B	46	KAS'YANOV YU S	83	KLEVITSKIY B G	36
IVANOV M A	1	KASYMDZHANOV M A	39	KLEYMENOV V V	44
IVANOV O G	41	KASYMDZHANOVA M A	61	KLIMENTKO I B	77
IVANOV S A	79	KATARKEVICH V M	67	KLIMENTKO YU K	37
IVANOV S G	66	KATSAP V N	4	KLIMKIN V F	59
IVANOV V A	7, 81	KATULIN V A	12	KLIMOV I V	86
IVANOV V B	25, 29	KATUSHKINA N V	57	KLIMOV V I	69
IVANOV V S	52, 69	KAZAK N S	71	KLIMOVA N V	15
IVANOV V V	2, 84	KAZAKOV B N	2	KLIMOVSKIY I I	11
IVANOV V YU	45	KAZANSKIY L P	78	KLINKOV V K	7
IVANOV YU L	3	KAZARYAN M A	62	KLISHINA T V	50
IVANOV-OMSKIY V I	70	KAZARYAN R A	19	KLOCHKOV V P	57
IVANOVA YE A	66	KAZEYEV M N	55	KLOPKOV N S	58
IVANOVSKAYA M I	58	KECHIYANTS A M	19	KLUSHIN V N	24
IVANOVSKIY A L	88	KELOGLU O YU	64	KLYSHKO D N	21
IVASHCHENKO M I	77	KEPRT J	59	KNOELL L	32
IVASHCHENKO YU N	35	KERVALISHVILI P D	77	KNYAZ'KOV A V	18
IVASHOV G P	80	KETKOVICH A A	89	KOBLYANSKIY A I	53
IZMAYLOV A CH	71	KETSLE G A	5	KOCH F	65
IZMAYLOV G N	58	KEUSCH C	70	KOCHEMASOV G G	85
IZMAYLOVA V N	50	KEVORKOV A M	29	KOCHEROV D A	30
IZOSIMOV I N	86	KHABAROV S E	35	KODRENCHUK L N	58
		KHABAROV V N	68	KOGAN A M	77
JACOBS B	65	KHARIBULLAYEV B K	81, 85	KOKODIY N G	55
JAHNKE R	70	KHABIBULLAYEV P K	2, 34, 39	KOL'CHENKO A P	9
JUNGE K	84	KHADZHI P I	21	KOLDUNOV M F	77
KAARLI R	51	KHADZHIYSKIY A	42	KOLESOV I V	86
KABANOV I S	54	KHAKHALIN S YA	87	KOLIKOV V M	59
KACZMAREK F	32	KHAKIMOV F KH	22	KOLOBKOV V P	36
KADZHAR CH O	74	KHALILOV V KH	71	KOLOBRODOV G N	36
KAKABADZE G L	62	KHALIMONOVA I N	72	KOLOBRODOV V G	71
KAKICHASHVILI SH D	50, 51	KHAMITOV V A	79	KOLOMENSKIY AL A	27
KAKICHASHVILI V I	51	KHAN V A	62	KOLOMIYETS T M	15
		KHANBEKYAN A M	65	KOLOSHNIKOV V G	68

KOLOSOV V V	41	KOZEYEEVA L P	29	KURBANOV K	2
KOLOVSKIY V B	62	KOZHEVNIKOV A V	8	KURBATOV G M	53
KOLYSHKIN V I	5	KOZIN G I	41	KURENKOVA V	44
KOMAROV K P	2	KOZLOV L F	57	KURILKO V I	31
KOMONI I I	61	KOZLOV P V	72	KURKOV A S	35
KOMOVA M G	70	KOZLOV V A	58	KURNOSOV A N	88
KOMPANETS I N	48	KOZLOV V S	37	KURNOSOV I V	74
KOMYAK A I	29	KOZLOVSKIY V I	4	KUROV A YU	12
KONDAKOV M YE	38	KOZYREV YU P	86	KUROV D A	86
KONDILENKO YE I	43	KOZYRKIN B I	61	KURSHYALIS S K	54
KONDRATENKO P S	40	KRASA J	12	KUSCH S	84
KONDRAT'YEV V A	37	KRASAVINA YE M	4	KUSH S	84
KONEV YU B	10	KRASAVTSEV V M	17	KUSHCHENKO A YU	36
KONONENKO V G	77	KRASHAKOV S A	5	KUSHKIMBAYEVA B ZH	82
KONOTOPOV A N	60	KRASIL'SHCHIK V Z	35	KUTELIYA E R	77
KONO V I	6,78,79	KRASIN'KOVA M V	46	KUTNER V B	86
KONOVALOV V A	37	KRASNOSVOBODTSEV S I	77	KUTSAK A A	7
KONSTANTINOV V B	55	KRASOVITSKIY D V	21	KUVSHINSKIY N G	55
KOPTEV V G	2	KRASYUKOV YU N	76	KUZELEV M V	31
KOPYLOV L N	54	KRAVCHENKO A A	57	KUZ'MICHEVA V M	55
KOPYLOV S M	6	KRAVTSOV V B	50	KUZ'MIN O V	1
KOPYSOV I A	87	KRAVTSOV YU A	42	KUZ'MIN R N	31
KOPYTIN YU D	62	KRAYSLER O D	15	KUZ'MIN V I	86
KORBUTYAK D V	81	KREKOV G M	42	KUZ'MINOV YU S	18
KORESHEV YE R	84	KREKOVA M M	42	KUZ'MISHCHEV V A	77
KORN G	84	KREMNEV L S	80	KUZNETSOV E A	83
KORNELYUK V N	66	KREYNGOL'D S U	35	KUZNETSOV I G	43
KORNEYEV A A	23	KRISYUK V YA	55	KUZNETSOV I V	76
KORNEYEV V I	35	KROO N	21	KUZNETSOV M F	41
KORNILOV S T	41	KRSEK J	59	KUZNETSOV S G	12
KORNIYENKO L S	64	KRSTIC P S	65	KUZNETSOV V A	89
KOROBKIN D V	36	KRUCHNOV V YU	4	KUZNETSOV V V	60
KOROBKIN V V	26,83,86	KRUGLOV B V	84,87	KUZNETSOVA A L	46
KOROLEV B V	69	KRUMIN' A E	18	KUZNETSOVA V V	29
KORONKEVICH S V	50	KRUZHKOVS N	71	KUZYAKOV YU YA	69,74
KORONKEVICH V P	57	KRYANINA M N			
KOROTEYEV N I	72	KRYSANOV S A	70	LADOKHIN A S	71
KOROTKOV S A	68	KRYSHKIN V I	37	LAEDKE E W	25
KOROVIN L I	49	KRYSTEV G	42	LAKOBA I S	29
KOROVKINA L I	22	KRYUCHKOV S I	10	LAMAZHAPOV KH D	14
KORSHUNOV I P	36	KRYUKOV A P	54	LANDA K A	88
KORYAKOVTS V S	38	KRYUKOVA I V	4	LANGBEIN U	21
KORZHIK YU V	46	KSANDOPULO G I	67	LANGER J M	81
KORZININ YU L	51	KUBYSHKIN A P	21	LASHKOV G I	51
KOSHCHIYENKO A V	61	KUCHARCYK W	64	LASKA L	12
KOSHECHKIN S L	43	KUCHIKYAN L M	38	LAVRINENKO A V	15
KOSHELYAYEVSKIY N B	54	KUCHINSKIY A A	9,11	LAVROV A P	28
KOSICHKIN YU V	72	KUCHINSKIY A G	84	LAVROV A V	9
KOSNIKOV A YU	68	KUCH'YANOV A S	2	LAZAREV V B	81
KOSTENICH YU V	5	KUDRYASHOV I A	45	LAZAREV V V	2
KOSTIN N N	4	KUDRYAVTSEV A A	7	LAZO V V	34
KOSTOUsov V D	58	KUDRYAVTSEV N N	10	LEBEDEV YE N	47
KOSTYRKIN B V	59	KUDRYAVTSEVA G I	18	LEBEDEVA T P	50
KOSTYSHIN M T	15	KUKHTAREV N V	49	LEBO I G	84
KOSULIN N L	64	RUKK P L	34	LEDERER F	21
KOT G G	11	KUKLIN S V	37	LEGOSTAYEV V N	17
KOTKIN A L	64	KUKUSHKIN A G	27	LEMANOV V V	27
KOTKOV A A	9	KULAK I I	14	LEONOV YE I	35
KOTLIKOV YE N	64	KULAKOV YA L	34	LERMAN A A	26
KOTLYARCHUK B K	82	KULASHCHIK S M	2	LERNER P B	32
KOTOV I R	51	KUL'BATSKIY YE B	80	LETOKHOV V S	52,53,63
KOTOVA S P	38	KULESH V P	56		66,68
KOTSARENKO N YA	23	KULEVSKIY L A	24,30	LEUPOLD D	70
KOVALENKO A N	67	KULIKOV A N	53	LEVANOV YE I	84
KOVALEV A A	44	KULIKOV S G	74	LEVIN I M	41
KOVALEV A M	59	KULIKOVSKIY B N	44	LEVINSON G R	55
KOVALEV A S	90	KULYGINA N A	16	LEVKN L V	34
KOVALEV V F	21	KUPCH YA A	34	LEVOV S N	47
KOVALEV V I	44	KUPCHENKO L F	28	LEVSHIN L V	5
KOVALEVICH A M	79	KUPKE W	13	LIBENSON M N	78,81
KOVALEVSKIY V I	67	KURASHOV V N	39,61	LIBERA L	52
KOVARSKIY V A	64	KURATEV I I	23	LIKHANSKIY V V	14,21,44,50

LIPATOV N I	9	MAKSIMOV V N	8	MERKUL'YEV YU A	84,85
LIPINSKI A	78	MAKSIMYAK P P	48	MERZLYAKOV N S	51
LIPOVSKIY A A	35	MAKUKHA V K	54	MESHCHERYAKOV N A	16
LISACHENKO A A	78	MALAKHOV A N	45	MESHKOV B B	90
LISITSA M P	72	MALAKYAN YU P	21	MESHKOVSKIY I K	77
LISITSYN I V	66	MALASHKEVICH G YE	5	MEYKLYAR M P	51
LISITSYN V N	54	MALIMON A N	54	MEYSNER L B	23
LISUNOV V V	84,85	MALOV A N	38,49	MEZENTSEV V K	21,83
LITOVCHENKO V G	81	MAL'TSEVA N A	59	MIAHALESCU I N	80
LOBANOV O V	37	MALYSHEV A V	39	MIKHAYLOV A YE	13
LOBAZOV A F	70	MALYSHEV S L	6	MIKHAYLOV V P	14
LOEBE K	72	MALYSHEV YU M	55	MIKHAYLOV YU A	76,84,85,87
LOGUNTSEV YE N	71	MALYSHEVA I B	79	MIKHAYLOVSKIY S S	8
LOKHMAN V N	67,68	MALYUTA D A	78	MIKHEYENKO A V	21
LOMAKIN A V	72	MALYY V I	43	MIKHEYEV L D	12
LOPATIN V N	40	MAMEDBEYLI I A	74	MIKHEYEV P A	37,39
LOPUKHIN V M	89	MAMEDOV F M	62	MIHKHEL'SOO V T	62
LOSEV S A	72	MANDROSOV V I	88	MIKLA V I	73
LOSEVSKIY N N	49	MANENKOV A A	77	MIKLAVSKAYA YE M	71
LOSHCHINOV V I	34	MANICHEV I A	14	MIKSYUK YU I	73
LOSHIN A F	69	MANSYREV M M	48	MILOSEVIC D B	65
LOSHKAREVA N N	74	MARCHEVSKIY F N	45	MILOVSKIY N D	43
LOSHKAREVA N S	80	MARENKOVA I N	73	MINASYAN L L	24
LOTKOVA E N	9	MARGOLIN A D	9,14	MINAYEV N S	73
LOZOVIK YU YE	64	MARGULIS V A	77	MINOGIN V G	21
LOZOVSKIY V N	4	MARKARYAN G R	70	MIRKIN L I	77
LUCHININ A G	41	MARKELOV YE YU	86	MIRONENKO S I	2
LUCHINSKIY D G	20	MARKELOVA L P	42	MIRONOS A V	50
LUDINKOV V V	18	MARKEYEV A M	80	MIRONOVA T A	16
LUGINA A S	71	MARKHVIDA I V	51	MIROSHNICHENKO A V	55
LUKINSKIY S V	28	MARKOV P I	89	MIROV S B	2,67
LUKINYKH V F	22	MARKOV YE V	4	MIROVITSKAYA S D	61
LUKIYAN L N	82	MARKUSHEV V M	70,75	MIROVITSKIY D I	39
LUKOMSKIY N G	65	MARTYNOVICH YE F	1	MIRTADZHIYEV F M	39,61
LUKOSHKIN V A	56,82	MARTYUKHINA L I	27	MIRZAYEV A T	61
LUK'YANCHUK B S	79	MARUPOV R	53	MISHAKOV V G	7
LUK'YANOV A T	53	MASEK K	12	MISHCHENKO A V	14
LUK'YANOV G A	11	MASHCHENKO A I	39	MISHCHENKO V A	8
LUK'YANOV V N	30,61	MASLENNIKOV N M	72	MISHIN V I	52,73
LUNYAKOVA G A	48	MASLOV N V	85	MISHINA YE D	19
LUSKIN B M	83	MASLOVA N S	32	MISHURNYY V A	4
LUSKINOVICH P N	30	MASLYANKIN V I	84	MIS'KEVICH A I	11
LUTKOVSKIY V M	58	MATKOVSKIY A O	66	MITDANK R	65
LUTSIV-SHUMSKIY L F	64	MATROSOV I I	69	MIT'KINA N N	29
LYADZHIN V A	42	MATSONASHVILI B N	75	MITROFANOV V V	87
LYAKHNOVICH A V	19	MATVEYENKO A V	75	MITSEN K V	70
LYALIKOV A M	62	MATVEYENKO YE V	4	MITTOVA I YA	73
LYSANOVA G V	70	MATVEYEV A N	26,36	MITYAGIN YU A	3
LYSENKO G K	55	MATVEYEV B A	82	MKOYAN A S	25
LYSKOVICH A B	65	MATVEYEV D T	42	MLADENOV G	79
LYTKIN A P	9	MATVEYEV I N	88	MOCHALOV I V	24
LYUBOV V YA	77	MATVEYEV M YU	72	MODRIC D	73
LYUTSKO V A	74	MAURER I A	57	MOISEYENKO I F	78
MACHEKHIN YU P	8	MAVLIYEV R A	43	MOKROS I J	59
MAGDINA I I	18	MAYMISTOV A I	20	MOKRUSHIN YU M	47
MAK A A	29	MAYOROV A V	57	MOKRYY O M	64
MAKAI JANOS	55	MAYOROV S A	86	MOLODKINA L M	59
MAKAI JOZSEF	55	MAYOROV V S	80	MOLODYAKOV S A	48
MAKAREVSKAYA YE V	35	MAYSURADZE G G	25	MORICHEV I YE	18,47,48
MAKAROV G N	67,68	MAYSURADZE L A	51	MOROZOV A N	38
MAKAROV V A	26	MAYER A A	37	MOROZOV V P	2
MAKAROV V V	79	MAZMANISHVILI A S	17	MOROZOVA I N	36
MAKARSKAYA N V	33	MAZOVKO A V	5	MOROZOVA N K	89
MAKHALOV I K	42	MAZUR M M	26	MORSHIYEV S K	34
MAKHMUDOV E B	37	MDIVANYAN B E	65	MOSKALIK L M	56
MAKHONIN I I	79	MEDVEDEV B A	72	MOSKOVETS YE V	66
MAKSUDOV B I	33	MELIKYAN O G	20	MOSTOVNIKOV V A	70
MAKIN G I	66	MEL'NIK N N	72	MOSYAK A A	22
MAKIN V S	81	MEL'NIK P G	3	MOTKIN V S	2
MAKKAVEYEV V I	37	MEL'TSIN A L	66	MOTYLEV S L	26,86
MAKSIMCHUK A M	76,87	MERKULOV D G	8	MOVSESYAN M YE	65,73
				MOVSESYAN R YE	65

MUDRYY A V	73	NOVIKOV M G	69	PARYGIN V N	89
MUHKIN V V	12	NOVIKOV S A	57	PASHAYEV O K	22
MUKHAMADZHANOV M A	26	NOVIKOV V B	4	PASHCHENKO G YE	18
MUKHIN YU V	24	NOVIKOVA YE V	44	PASHININ P P	9,44
MUKHTAROV E I	76	NOVODVORSKIY O A	74	PASMANIK G A	45
MURADOV I G	14	NOZDRIN YU N	3	PASYUK A S	86
MURADYAN A ZH	67	NYATIKSHIS V V	81	PATUK A I	73
MURADYAN L KH	37	OBLIZIN A N	PAVEL'YEV A B	20	
MURAV'YEV A V	3	ODINOKOV S B	86	PAVLENKO V K	71
MURAV'YEV V V	67	ODINTSOV V A	46	PAVLIK B D	40
MURINA T M	34	OELGART G	18	PAVLINSHIN I V	27
MURUGOV V M	85	OGANESYAN M K	65	PAVLOV A V	51
MURZIN V N	3	OGANESYAN R G	30	PAVLOV S A	3
MUSIKHIN V A	18	OGANESYAN S G	43	PAVLOV V A	72
MUSTAYEV P T	82	OGURTSOVA L A	31	PAVLOV V N	11
MYL'NIKOV G D	8	OKSENGEGLER B L	71	PAVLOVA N O	11
MYSLIVETS S A	22	OKUNEV R I	52	PAVLOVSKIY B A	59
NABOYKIN YU B	71	OKUTIN G P	41,47	PAVLYUK A A	29
NADENENKO A V	71	OLEKSENKO P F	85	PAVLYUR V I	81
NADEZHDIANSKIY A I	72,73	OLEVSKIY S S	15	PECHEN' YE V	77
NAGIBIN YU T	13	OL'KHOVAYA L A	61	PED'KO S N	38
NAMM A V	4	ORAYEVSKIY A N	30	PEGAR'KOV A I	53,74
NAPARTOVICH A P	8,14,21,44	ORAYEVSKIY I N	86	PEKAR' G S	15
NARVA V K	80	ORDZHONIKIDZE S K	10	PEKLECHKOV V D	86
NASIBOV A S	4	ORESHKO YE V	59	PERLENKOV V D	86
NAUMOV A F	38	ORISHICH A M	15	PELYUKHOVA YE B	13
NAWROT W	7	ORLOV O V	86	PENCHEVA V KH	54
NAZARENKO V G	77	ORLOV V V	47	PENIN A N	21
NAZARKIN A V	7	ORLOV V YU	84	PENKIN N P	11
NAZAROV V L	39	ORLOVA I B	78	PENTROV YA	82
NAZAROV V V	19	ORLOVICH V A	13	PERERKHOZHEVA T N	74
NAZARYAN A A	43	ORLOVSKIY YU V	11	PEREKRESTOV V I	81
NEBOGOV S M	34	OSADCHEV L A	68	PEREL'MAN N F	22
NECHAYEV S V	70	OSADCHIYEV V M	38	PERFIL'YEV V A	75
NEFED'YEV L A	51	OSETROV V P	23	PERLIN YE YU	56
NEMCHENOK A S	77	OSHEMKOV S V	84	PERMINOV S M	36
NEMCHINOV I V	42	OSIRO V V	68	PERMINOVA V N	36
NEMETS A M	68	OSIPOV M V	1,68,75,89	PERSONOV R I	74
NEMETS V M	73	OSIPOV V YU	84	PETRAKOVA T V	4
NEMKOVICH N A	70	OSIPOV YU V	16	PETRASH G G	62
NEMTSEVICH M P	73	OSTEN W	16	PETRENKO N YE	46
NESTERIKHIN YU YE	83	OSTROUMOV V G	59	PETRISHCHEV V A	41
NESTEROV A P	33	OSTROVSKIY I V	1	PETROPAVLOVSKIY A I	13
NESTEROV D A	50	OSUTIN A V	27	PETROSYAN A A	20
NEVOLIN V N	80	OVCHARENKO N V	70	PETROSYAN L S	30,67
NICKLES P	84	OVCHAROV A T	36	PETROSYAN S G	17
NIFTIYEV G M	75	OVCHINNIKOV A V	17	PETROV A A	19,68,73
NIKIFOROV M YA	58	OVCHINNIKOV S N	5	PETROV A L	12
NIKIFOROV V G	69	OVSIK YA	54	PETROV A N	9
NIKIFOROV YU T	50	PAK G T	85	PETROV M P	19,49
NIKITCHENKO V M	67	PAKHOMOV L N	4	PETROV S I	85
NIKITENKO A I	84,85	PAKHOMOVA T A	41	PETROV S S	40
NIKITENKO V A	3	PAKTER M K	34	PETROV V M	46
NIKITIN S YU	24	PALAVANDISHVILI L S	34	PETROV V N	61
NIKITIN V A	37	PALAZOV D V	5	PETROV V V	41
NIKITIN V V	7,63	PALKIN A M	26	PETROV YU N	79
NIKITOV S A	36	PALMTSHOFER L	60	PETROVA L I	18,47
NIKLES P	84	PAL'TSEV L L	10	PETROVA N N	37
NIKOLAYCHENKO V G	37	PANIN YU M	81	PETROVSKIY G T	67,88
NIKOLAYEV A V	8	PANKOWSKI J	28	PETRU F	59
NIKOLAYEV F A	58	PANOV A B	1	PETRUN'KIN V YU	27,41
NIKOLAYEV V D	12	PANOV V P	7	PETSKUS A M	47
NIKOL'SKIY M YU	1,28,32	PAPAZYAN T A	42	PETUKH M L	87
NIKONENKO YE A	73	PAPERNYY S B	77	PETUKHOV V O	9
NIKULOVA G A	35	PARAKHIN V YE	30	PEVNITSKIY I V	71
NINOVAN ZH O	54	PARAMONOV L YE	25,29	PEZT V E	62
NIRSHA B M	73	PARASHCHUK V V	58	PICHKASOV V M	12
NORINSKIY L V	7	PARASNOV YU M	40	PICHLER G	73
NOSKIN V A	74	PARFENOV A V	5	PIKKEL'E V	42
NOVIKOV A I	67	PARFENOV V G	3	PILIPETSKIY N F	24,80
NOVIKOV L N	23	PARYGIN V N	38	PINTER F	25
			13	PIROGA S A	65

PIROZHKOVA N A	54	PUKO R A	29	RUBENCHIK A M	25
PISARENKO V F	1	PULYSHEV V V	86	RUBIKIS R YA	33
PISAREV V S	57,60	PUSHKINA T N	4	RUBINOV A N	5,6,67,70
PISKARSKAS A	23	PUSTOGAROV A V	60	RUDENKO K V	82
PIS'MENNYY V D	78	PUSTOVALOV V V	21	RUDOY I G	12
PLAKHOTNIK T V	5	PUSTOVAY V I	24,79	RUKHADZE A A	31
PLATONOV YE M	60	PUSTOVAYT V I	26	RUL'KOV N F	43
PLATONOVA I V	77	PYANCHENKO V YA	21	RUPASOV A A	84
PLESHAKOVA R P	87	PYATAKHIN V I	35	RUSANOV S YA	36
PLESHANOV YU V	42	PYATNITSKIY L N	41	RUSOV N YU	43
PLETNEVA N I	18,47	PYTRAUSKAS M B	81	RYABCHENKOV V V	76
PLOTNICHENKO V G	35	PYNDYK A M	5	RYADNOV S N	29
PLYAVENEK A G	30	PYZIN G P	60	RYAKHIN A D	43
PODOL'SKIY B S	79	RAABE K	55	RYAZANOV N S	76
PODTYKAN F P	78	RABA O B	33	RYAZANTSEVA N V	39
PODVYAZNIKOV V A	18	RABCHUK A V	36	RYL'KOV V V	74
POGOSYAN E M	30	RACHKOV I A	61	RYSAKOV V M	40
POKORA L	7	RADLOFF W	76	RYSKIN YA I	75
POKORMYAKHO N G	10	RAKIMOV A T	90	RYZHKOVA M V	88
POKOTILO I L	77	RAKITIN V D	58	RZHANOV YU A	58
POKROVSKAYA F S	71	RAKOV V N	16	SADOVSKAYA O L	78
POLIKHONOV G N	57	RAKOVSKIY V YU	27	SADOVSKIY V N	44
POLISHCHUK V A	65	RAL'CHENKO V G	79	SAFIN V M	77
POLONIN A K	77	RAPOORT L P	53,74	SAFONOV A N	80
POLONSKIY L YA	41	RASSKAZOV S A	41	SAFONOV V V	71
POLOVINKIN A V	45	RASSUDOV A G N	15	SAGITOV S I	12
POLOVINKI I I	27	RASTOPOV S F	65	SAGUN YE I	71
POL'SHCHIKOV G V	17	RASTORGUYEV YU G	55	SAICHEV A I	45
POLUSHKIN I N	66	RASULOV R YA	65	SAIDOV R P	2,31
POLYAKOV B I	62	RAUBISHKO B N	33,34	SAKHAROV D K	37
POLYANIN V YE	58	RAUCH R	29	SAKHOVSKIY S YE	66
POLYANSKIY A A	16	RAYCHENOK T F	68	SALASHCHENKO N N	83
PONATH H E	21	RAYK YU B	14	SALAYEV E YU	74
PONEZHA G V	43	RAYNEKE V	84	SALEWSKI K D	57
PONOMARENKO A G	86	RAZUMYEYENKO M V	68	SAL'KOVA YE N	52
PONOMARENKO T M	46	REBANE A	51	SAL'NIKOV YE N	46
PONOMAREV A S	62	REBANE I	74	SALOV A V	81
PONOMAREV D I	9	RED'KO T P	11	SAMARSKIY A A	84
POPELA B	59	REINECKE W	84	SAMARTSEV V V	51
POPOV A G	41	REKHLVASHVILI D N	61	SAMOKHVALOV A A	74
POPOV A K	22	REMIZOV S A	55	SAMOYLOV V D	42
POPOV V P	4	REVOKATOVA I P	3	SAMSONOV A G	83
POPOVA M F	33	REYNGOL'D V A	3	SANDAKOV A N	17
POPOVA N R	51	REZNICKOV P V	4	SANDAKOV V S	86
POPOVA T N	69	REZNICOVA L A	73	SANNIKOV YU A	71
POPOVICH D I	82	RHEINLAENDER B	65	SARBEI O G	63
POROJKOVA A I	68	RIKER R	84	SARKISOV O M	68
PORTNOY YE L	4	RINKEVICHUS B S	60	SASHIN YU N	1
POTAPOV M M	53	ROBUR L I	23	SASKEVICH N A	2
POTAPOV V T	34	RODE A V	84	SATTAROV D K	89
POTYKEVICH I V	57	RODES E KH	14	SATTAROV F A	51
POVALYAYEV O A	60	RODICHKIN V A	9,11	SAUTENKOV V A	63
POZDNEYEV S A	12	RODIN V V	77	SAVCHENKO S K	60
PRAKHOV S S	66	RODIONOV G D	29	SAVCHENKO S M	84
PREOBRAZHENSKIY N G	69,85	RODISHEVSKIY A V	10	SAVCHENKO V N	38
PRESNYAKOV G S	60	ROGOV V S	7	SAVCHUK A V	52
PRESNYAKOV YU P	59	ROMANENKO P F	15	SAVEL'YEV A D	6
PRIBYTKOV A V	18	ROMANENKO V I	30	SAVEL'YEV A N	83
PRIKHOD'KO G K	58	ROMANIUK R	32,37	SAVITSKIY I V	66
PRIYEZZHEV A V	41	ROMANOV A M	47	SAYECHNIKOV K A	29
PRODAN YE A	74	ROMANOV A V	8	SAYENKO I I	48
PROKHOROV A M	1,6,9,18,28	ROMANOVSKIY O A	42	SCHAEFER F	13
	30,34,36	ROMANOVSKIY YU V	74	SCHOENNAGEL H	84
PROKHOROV V P	58,79	RONE I V	33	SDOBYREV V V	77
PRONIN N V	37	RONZHIN A I	37	SEBEKINA N N	39
PROTASEVICH YE T	86	ROSTOVSEV YU V	66	SEBRANT A YU	78
PROTSENKO YE D	62	ROZANOV V B	84	SEIDLIG S	62
PROVOTOROV S V	63	ROZANTSEV V A	87	SEKATSKIY S K	52
PRZHEVSKIY S S	17	ROZHDESTVENSKIY YU V	21	SELEN'TYEV D G	59
PUDKOV S D	78	ROZNIAKOWSKI K	78	SELEZNEV V A	15
PUKHOVA V V	73	RUBANOV A S	15,49	SELEZNEVA L A	11

SELISHCHEV S V	80,82	SHIROKOV V F	78	SMOLITSKIY V A	35
SELIVEROV S N	60	SHIKADAREVICH A P	2,14,29	SMOLOV V B	47
SEMAK D G	73	SHMAL'GAUZEN V I	44,45	SMORGONSKIY A V	31
SEMENENKO A V	23	SHMAVONYAN S V	73	SMOTKIY O I	16
SEMELEV A T	4,60	SHMELEV V M	9,14	SMUROV I YU	80
SEMELEV O G	86	SHIMIDT N M	61	SMYSHLYAYEVA O YU	71
SEMELEV S A	9	SHOKHUDZHAYEV N	4	SNETKOV YE I	46
SEMELEV V N	73	SHOTTER L L	34	SNGRTYAN YE A	30
SEMELOVA L V	8	SHPAK M T	57	SNYTNIKOV V N	86
SEMEROV A F	44,50	SHPILEVOY B N	84	SOBEL'MAN I I	83
SEMIDETNOV N V	40,59	SHPOTYUK O I	66	SOBIROV M M	25
SEMILETOV S A	61	SHREDER T	23	SOBOL' A A	1,75
SEMINOGOV V N	22,39,40,78	SHTANDEL' S K	56	SOBOLEV A G	30
SEMIOKHIN I A	18	SHTENTSEL' O	72	SOBOLEV G A	50
SENATOROV A K	58	SHTERNBERG A P	18	SOBOLEV N N	9
SENATSKIY YU V	2,84,85	SHITOKMAN M I	20	SOBOLEVA S B	50
SENIK A V	85	SHUB V E	79	SOCHACKI J	16
SENTSOV YU I	43	SHUBADEYeva L P	42	SOCHAVA S L	52
SERDYUK V M	45	SHUBNIKOV YE I	51	SOKOL'NIKOV A S	53
SEREGIN V F	30	SHUMYATSKIY P S	54	SOKOLOV A V	34
SERENKO M YU	60	SHURENKOv YE P	80	SOKOLOV V I	22,39,40
SERES F	25	SHURULINKOV S P	60	SOKOLOVA L K	5
SERGEYEV A N	38	SHUTOV S D	35	SOKOLOVSKAYA A I	24
SERGEYEV A S	31	SIDOROV N V	76	SOLDATENKOV V A	50
SERGEYEV P B	82	SIDOROV T A	66	SOLDATOV V I	50
SERGEYEV S O	72	SIDOROV V S	30	SOLNTSEV V P	1
SERKIN V N	36	SIDOROV YU I	72	SOLODKOV A F	30
SHAGIYEV YU M	66	SILENKO V V	72	SOLODKOV V M	84
SHALAYEV V M	20	SILICHEV O O	13	SOLOV'YEV A A	73
SHANDAROV S M	38,91	SILIN V P	25,85	SOLOV'YEV A P	56
SHANIN O I	44	SILIVRA A A	23	SOLOV'YEV N A	83
SHAPIRO D A	10,67	SIMONCHIK L V	83	SOROKA A M	12
SHAPOSHNIKOV S N	16,28,91	SIMONENKO V N	53	SOROKIN N G	24
SHARYGIN L M	71,74	SIMONOV A P	62	SOROKIN V B	29
SHASHKOVA I L	74	SINEOKIN V I	86	SOROKIN YE V	1
SHASTIN V N	3	SINIGIBSKIY A I	48	SOROKINA I T	1
SHATALIN I D	51	SINITSYN D V	9	SOROKO L M	60
SHATS YA B	50	SINITSYN G V	2,19	SOSKIN M S	57
SHATSEV A N	19	SINITSYNA S V	56	SOSNIN V P	34
SHAYKEVICH I A	23,76	SINYAVSKIY E P	64	SOSNINA G F	53
SHAYYMKULOV M O	15	SIRO F VASKES	38	SOTNIKOVA G YU	54
SHCHEGLOV V A	12	SIRUTKAYTIS V	23	SOZINOV V N	10
SHCHELEV M YA	18	SITNIK D N	51	SPATSCHER R H	25
SHCHEPINOV V P	60	SIYANITSA P YE	61	SPLAVNIK YU V	41
SHCHERBAKOV A A	84	SKACHKOV A N	53	STABNIKOV M V	37
SHCHERBAKOV A I	66	SKLIZKOV G V	2,76,84,87,90	STAHL A	3
SHCHERBAKOV A S	27	SKLYAROV YU M	20	STARCHENKO A N	55
SHCHERBAKOV I A	1,2,28,32	SKOBELEV I YU	87	STASEL'KO D I	6
SHCHERBAKOV M A	1	SKOCHILOV A F	51	STASHKEVICH I V	15
SHCHERBINA K G	77	SKOROBOGATOV G A	53	STASYUK I V	22
SHCHIPUNOVA N A	52	SLABKO V V	22	STAVITSKAYA G P	75
SHELKOV N V	30,60	SLAVENAS YU YU YU	71	STAVROVSKIY D B	12
SHELOBOLIN A V	84	SLIVKA V YU	73	STEFANOV S M	60
SHEMSHURENKO YE G	16	SLOBODSKOY M V	62	STEFANOVICH V A	73
SHENNAGEL' KH	84	SLOBODYANYUK A I	70	STEFFEN U	13
SHENYAVSKAYA YE A	53	SLOBODYANYUK A V	29	STEJSKAL A	59
SHERSTNEV K B	84	SLYUSAREV N S	54	STEPANOV S I	19,52
SHESHUKOV A P	57	SMALIKHO I N	40	STEPANOV V YE	77
SHESTAKOV N P	57	SMAYEV V P	49	STEPANOV YE V	72
SHEVCHENKO V A	29	SMIRENKINA I I	68	STEPANOV YU YU	79
SHEVEL'KO A P	83	SMIRNITSKIY V B	4	STEPANOVA M A	78
SHEVEREV V A	9	SMIRNOV A G	90	STEPIN A P	17
SHEVYREV A S	6	SMIRNOV A V	66	STERLYADKINA YE A	69
SHEYNNIN M G	59	SMIRNOV A YU	5	STETSENKO S G	86
SHIBARSHINA G D	21	SMIRNOV D F	32	STIEL H	70
SHIBKO A N	79	SMIRNOV G I	21,66,67,83	STOKLITSKIY S A	3
SHIFRIN K S	41	SMIRNOV V A	1,46	STOYANOV KH YU	60
SHIKANOV A S	84,87	SMIRNOV V I	60	STRIGUN V L	6
SHIKANOV A YE	87	SMIRNOV V L	50	STRIKOVSKIY M D	82
SHIKHSANDOV M SH	65	SMIRNOV V S	14,64	STRIZHEVSKIY V L	45
SHILKINA T YU	74	SMIRNOV YE P	66	STROGANOVA N S	66
SHIPOV N V	23	SMIRNOVA T V	52	STUCHEBRYUKHOV A A	68

STUDENIKIN L M	19	TITOV A N	22,55	USTINOVSKIY N N	8
STUDENIKIN P A	1,28	TITOV G A	42	USUPBEKOVA B SH	34
STUS' N M	82	TITOVA T V	66	USVYAT I I	4
SUBASHIYEV A V	63	TKACHENKO T L	7	UTKIN I A	51
SUBASHIYEV V K	26	TOCHITSKIY S YA	9	UTKIN V G	52
SUBBOTIN F M	47	TODRIYA T E	29	UVAROVA T V	2
SUBBOTIN V I	84	TOEPFER K	29	UZHINOV B M	5
SUDARKIN A N	24,80	TOKAREV A G	1	UZIYENKO D A	86
SUD'YENKOV YU V	27	TOKAREV V N	78	VAKULOVSKIY A S	41
SUKENBAYEV A S	78	TOLCHIN V G	52	VALOV P N	67
SUKHANOV V I	51	TOLEUTAYEV B N	71	VALUYEV A D	84,87
SUKHANOVSKAYA A I	35	TOLMACHEV A I	43	VALYGINA M A	42
SUKHAREV A G	44	TOLOK V T	87	VAN'KOV A B	56
SUKHAREV S A	85	TOLSTIKHINA A L	61	VANNIKOV A V	75
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